



BRU-38 Bomb Racks

TW-1 Stan
1 June 2009



BRU-38/A



- As of 5 June 2009, BRU-38/A bomb racks have replaced PMBRs
- Differences:
 - BRU-38/A is shorter and 14 lbs heavier than PMBR.
 - BRU-38/A has a new sway bolt and sway brace assembly with spring-loaded feet.
 - BRU-38/A has Station Safety Indicators for each bomb station.
- *BRU-38/A attaches to pylon just like the PMBR*



BRU-38/A



- *Cockpit, nose wheel well and pylon preflight remains the same*
- BRU-38/A preflight:
 - Ensure Station Safety Indicator is in “SAFE” position (oriented vertically) at each station
 - Ensure each bomb is secure to rack:
 - Visually inspect each spring foot sway bolt is properly compressed (a small gap should be present at top of spring sway bolt assembly, but NOT at bomb “foot”)
 - **DO NOT** “tug” on bomb! (unlike PMBR, it won’t move, and could inadvertently release spring foot)



Ground Safety Pin (same as PMBR)





Station Safety Indicator "SAFE" (Pre-flight Inspection)

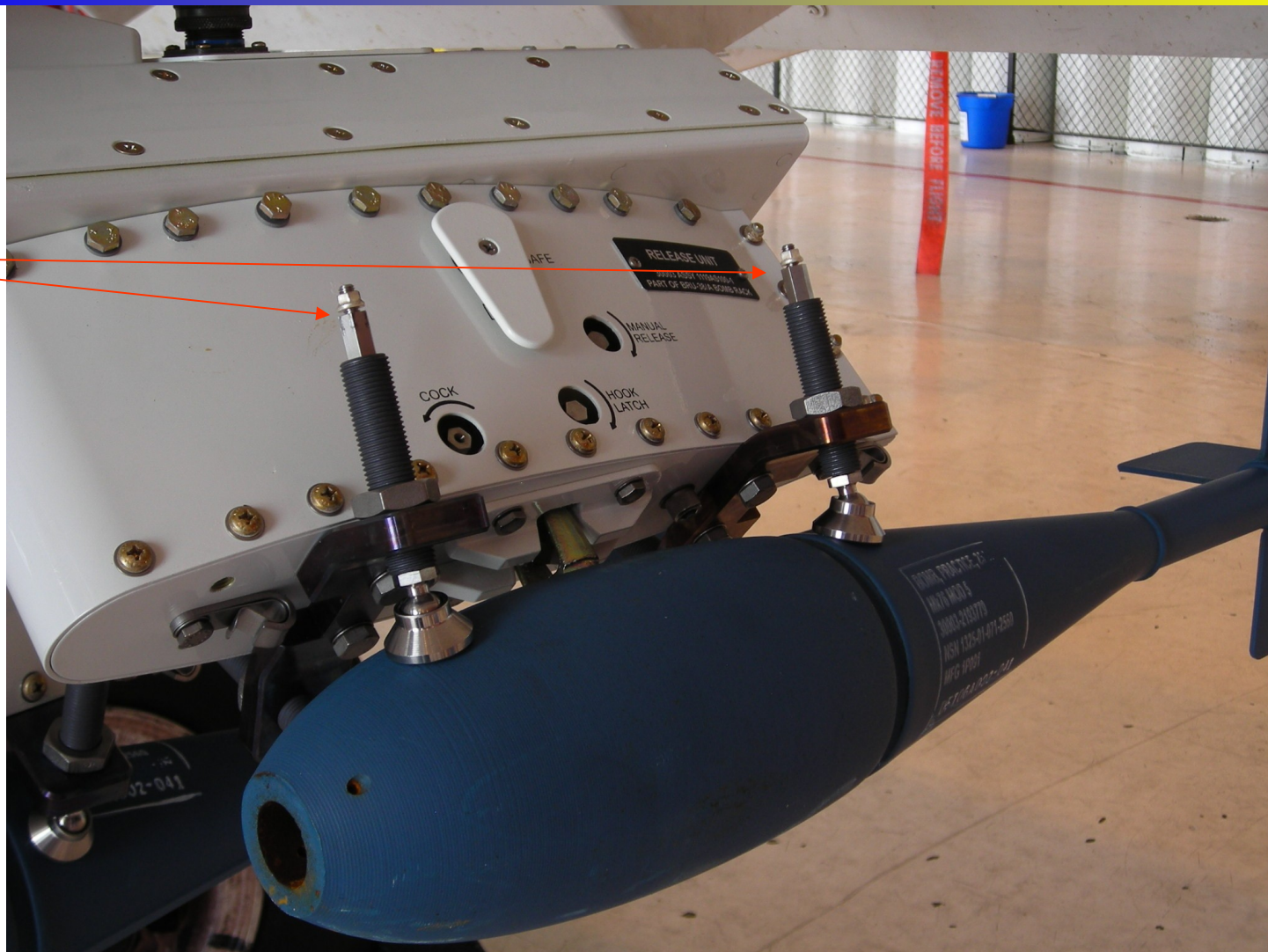




Properly Swayed



Note gaps
present at
top of
spring
sway bolt
assembly



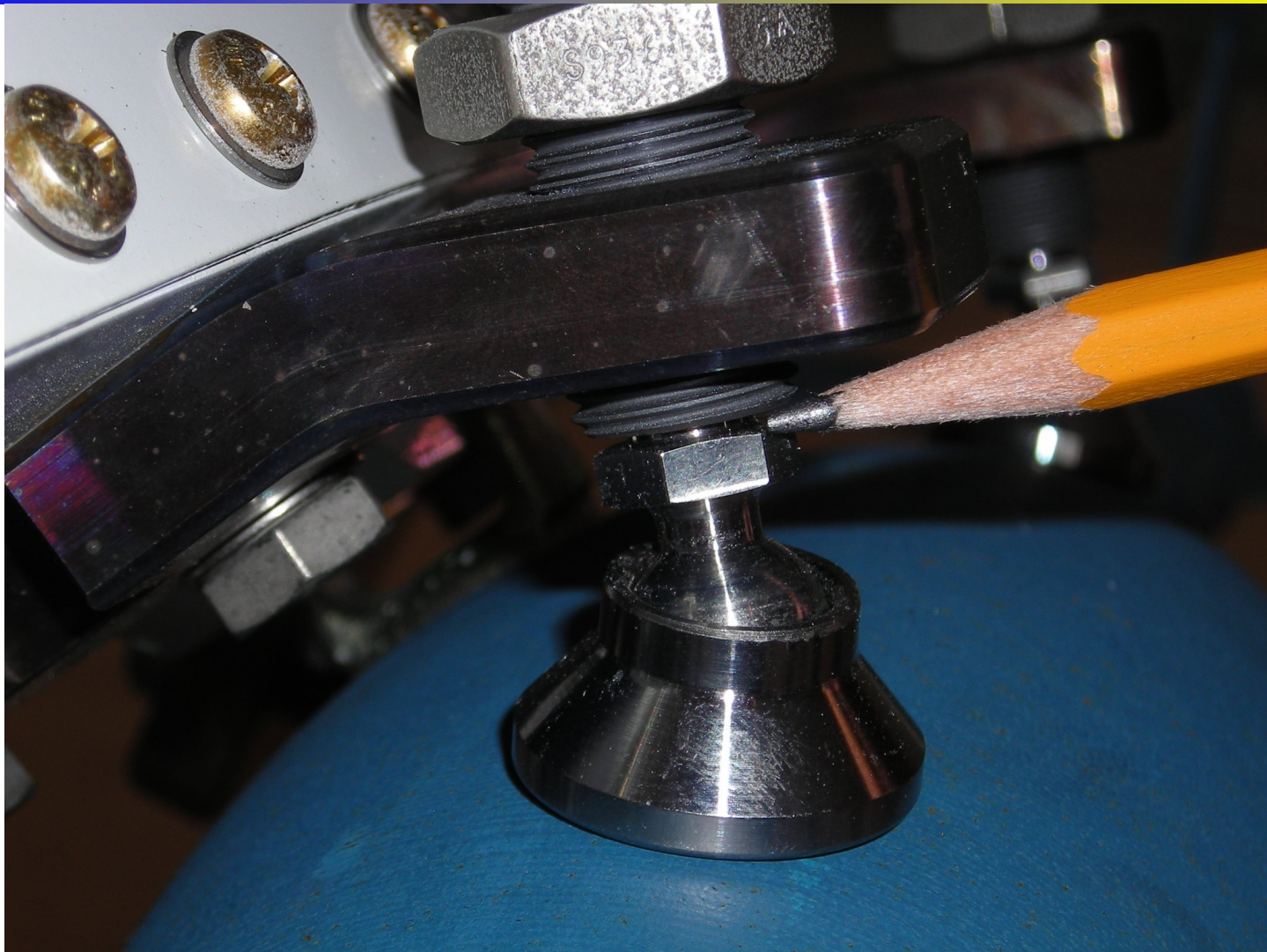


Properly Compressed





Improperly Compressed





Sway Bolt Assemblies



Correct Indication
(gap present at top of sway bolt assembly)

Incorrect Indication
(no gap present at top of sway bolt assembly)

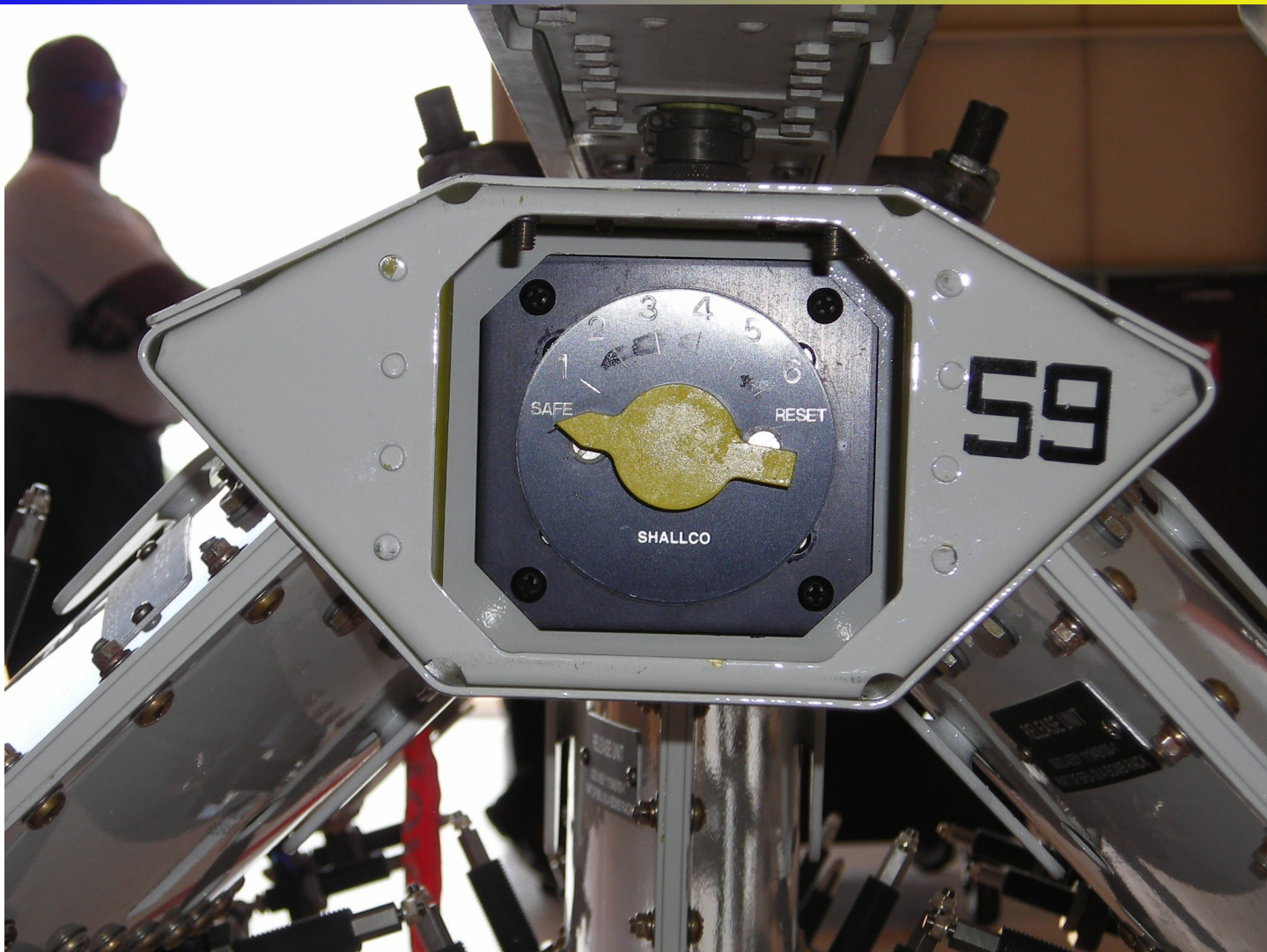
Correct Indication
(no gap present at bottom of sway bolt assembly)

Incorrect Indication
(gap present at bottom of sway bolt assembly)

BOMB, PRACTICE,
Mk76 MOD 5
30003-2193779



Selector Switch (Pre-flight Inspection)





Arming



- During Arming, ordnance personnel will:
 - Set Station Selector Switch to position “1”
 - Set each Station Safety Indicator to “READY”
 - Pull Ground Safety Pin from each pylon and show it to the aircrew



Safety Switches Ready for Flight (post-Arming)





Questions?